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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,807	04/01/2004	Masato Hayashi	042320	5316
38834 WESTERMAN	7590 10/31/2007 I, HATTORI, DANIELS	EXAMINER		
1250 CONNECTICUT AVENUE, NW			RHEE, JANE J	
SUITE 700 WASHINGTON, DC 20036			ART UNIT	PAPER NUMBER
		•	1795	
			MAIL DATE	DELIVERY MODE
			10/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/814,807	HAYASHI ET AL.		
Office Action Summary	Examiner	Art Unit		
	Jane Rhee	1795		
The MAILING DATE of this communication Period for Reply	on appears on the cover sheet w	rith the correspondence address		
A SHORTENED STATUTORY PERIOD FOR FWHICHEVER IS LONGER, FROM THE MAIL! - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communicat - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNI CFR 1.136(a). In no event, however, may a tion. period will apply and will expire SIX (6) MOI y statute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).		
Status				
Responsive to communication(s) filed on 2a) This action is FINAL . 2b)	This action is non-final. Illowance except for formal mat	•		
Disposition of Claims				
4) ⊠ Claim(s) 1,2 and 6 is/are pending in the a 4a) Of the above claim(s) is/are wi 5) ☐ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1,2 and 6 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction	thdrawn from consideration.			
Application Papers				
9) The specification is objected to by the Example 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the control of the oath or declaration is objected to by the specific sheet of the oath or declaration is objected to by the specific sheet of the oath or declaration is objected to by the oath or declaration is objected to be objected to b	☐ accepted or b)☐ objected to to the drawing(s) be held in abeya correction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) \(\sum \) Notice of References Cited (PTO-892) 2) \(\sum \) Notice of Draftsperson's Patent Drawing Review (PTO-94)	Paper No(Summary (PTO-413) s)/Mail Date		
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of I	nformal Patent Application ·		

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DETAILED ACTION

Rejections Repeated

1. The 35 U.S.C. 103(a) rejection of claims 1-2 unpatentable over Nowobilski et al. in view of Heffelfinger et al. has been repeated as previously made in office action mailed on 5/25/2007.

New Rejection

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nowobilski et al. in view of Heffelfinger et al.

Nowobilski et al and Heffelfinger et al. discloses the vacuum heat insulating material in claim 1 as previously made above.

As to claim 6, Nowobilski et al. discloses wherein the resin binder is a phenol resin (col. 3 line 4).

Response to Arguments

3. Applicant's arguments filed 8/22/07 have been fully considered but they are not persuasive.

In response to applicant's argument that Heffelfinger et al. teaches away from Nowobilski et al. Heffelfinger et al. does not teach away from Nowobilski et al. because

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both Heffelfinger et al. and Nowobilski et al. discloses vacuum insulated panels comprising compressed fiberglass (see abstract of both references). Heffelfinger et al. teaches 'binderless' meaning the absence of binder materials *or the presence of only small amounts of such binder materials amounting to no more than one percent by weight of insulation product* (col. 5 lines 3-5) for the purpose of providing greater movement of the fibers (col. 5 line 2). Heffelfinger al. does not teach away from Nowobliski et al. because both references use binder material and the difference between the two references is that Heffelfinger et al. uses less binder material than Nowobilski et al., however both references teaches vacuum sealing the panel to provide compressed fiberglass state creating the same product.

In response to applicant's argument that Heffelfinger et al. does not correspond to the claimed "molded product", Heffelfinger et al. discloses that the insulation assembly is vacuum sealed, therefore the fibers inside the cavity are molded to the cavity by the vacuum therefore providing a molded product (abstract).

In response to applicant's argument that Nowobliski et al. teaches away from Heffelinger et al., Nowobliski et al. does not teach away from Heffelinger et al. because Nowobliski et al. does not state that using a binder amounting to no more than 1 percent would not provide a smoothened surface on the shape article. There is no direct teaching away disclosed by Nowobliski et al. Nowobliski et al. merely discloses that it is preferable to use binder from 10-20 weight percent of the shaped article.

In response to applicant's argument concerning unexpected results, applicant's unexpected results in the thermal conductivity of the binder amounts, since Heffelinger

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et al. discloses the binder amount desired by the applicant, it is inherent that the resin binder coating has excellent thermal conductivity as found by the applicant.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jane Rhee whose telephone number is 571-272-1499. The examiner can normally be reached on M-F 9-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jane Rhee

October 17,2007